

## CLAIMS

What is claimed is:

1. A wireless piconet device, comprising:
  - 5 a piconet front end;
  - a piconet connection quality determiner; and
  - a user link quality indicator;

wherein said piconet connection quality determiner determines at least one aspect relating to a quality of connection achieved through said piconet front end, and controls said user link quality indicator based on said determined at least one aspect.
- 10  
15 2. The wireless piconet device according to claim 1, wherein:

said piconet front end conforms to BLUETOOTH standards.
- 20 3. The wireless piconet device according to claim 1, wherein:

said user link quality indicator indicates audibly.
- 25 4. The wireless piconet device according to claim 1, wherein:

said user link quality indicator indicates visibly.
5. The wireless piconet device according to claim 4, wherein:

said visible user link quality indicator comprises:  
an LED.

6. The wireless piconet device according to claim 4, wherein  
said visible user link quality indicator comprises:  
a graphical display.

5           7. A method of optimizing link quality of a wireless piconet  
device to a user, comprising:

firstly determining at least one aspect of a link quality of a  
wireless connection to a short range network; and

10          providing a first indication of compliance of said at least one  
aspect of said link quality to said user.

8. The method of optimizing link quality of a wireless piconet  
device to a user in accordance with claim 7, further comprising:

15          allowing said user to physically move said wireless piconet  
device;

secondly determining said at least one aspect of said link  
quality; and

providing a second indication of compliance of said at least  
one aspect of said link quality to said user.

20           9. The method of optimizing link quality of a wireless piconet  
device to a user in accordance with claim 7, wherein said determining  
comprises:

25          generating a Read\_RSSI command; and  
                retrieving an RSSI value returned in response to said  
generated Read\_RSSI command.

10. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein said determining comprises:

5                   generating a Get\_Link\_Quality command; and  
                  retrieving a link quality value returned in response to said generated Get\_Link\_Quality command.

11. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein:

10                 said wireless connection is a piconet connection.

12. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein:

15                 said wireless connection is a scatternet connection.

13. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein:

20                 said indication is audible.

14. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein:

25                 said indication is visible.

15. The method of optimizing link quality of a wireless piconet device to a user in accordance with claim 7, wherein:

25                 said compliance is determined by a comparison of said determined at least one aspect to a pre-configured threshold value allowing optimal communications quality.

16. Apparatus for optimizing link quality of a wireless piconet device to a user, comprising:

means for firstly determining at least one aspect of a link quality of a wireless connection to a short range network; and

5 means for providing a first indication of compliance of said at least one aspect of said link quality to said user.

17. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, further comprising:

10 means for allowing said user to physically move said wireless piconet device;

means for secondly determining said at least one aspect of said link quality; and

means for providing a second indication of compliance of 15 said at least one aspect of said link quality to said user.

18. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein said means for determining comprises:

20 means for generating a Read\_RSSI command; and

means for retrieving an RSSI value returned in response to said generated Read\_RSSI command.

19. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein said means for determining comprises:

means for generating a Get\_Link\_Quality command; and

means for retrieving a link quality value returned in response to said generated Get\_Link\_Quality command.

20. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein:  
said wireless connection is a piconet connection.

5           21. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein:  
said wireless connection is a scatternet connection.

10          22. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein:  
said indication is audible.

15          23. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein:  
said indication is visible.

24. The apparatus for optimizing link quality of a wireless piconet device to a user in accordance with claim 16, wherein:

20          said compliance is determined by means for comparing said determined at least one aspect to a pre-configured threshold value allowing optimal communications quality.